CyberPower™

The Power To Control the Power®

# User's Manual

# Professional Rack Mount UPS

## PR1500 / PR2200

**ADDITIONAL INSTALLATION TIPS CAN BE FOUND AT:**

www.cyberpowersystems.com/support.htm

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**Thank you for purchasing a CyberPower Systems Product. To enjoy all the features and benefits of this Uninterruptible Power System (UPS), please read and follow all installation and operation instructions completely. This UPS is designed to provide guaranteed power protection for connected electronic equipment. The accompanying PowerPanel Plus™ software saves data, closes open applications and automatically shuts down your computer system in an intelligent and orderly manner.**

# IMPORTANT SAFETY WARNINGS

## (SAVE THESE INSTRUCTIONS)

This manual contains important instructions that should be followed during installation and maintenance of the UPS and batteries. Please read and follow all instructions carefully during installation and operation of the unit. Read this manual thoroughly before attempting to unpack, install, or operate.

**CAUTION!** The UPS must be connected to an AC power outlet with fuse or circuit breaker protection. **DO NOT** plug the machine into an outlet that is not grounded. If you need to de-energize this equipment, turn off and unplug the UPS.

**CAUTION! DO NOT USE FOR MEDICAL OR LIFE SUPPORT EQUIPMENT!** CyberPower Systems does not sell products for life support or medical applications. DO NOT use in any circumstance that would affect operation or safety of any life support equipment, with any medical applications, or patient care.

**CAUTION!** The battery can energize hazardous live parts inside even when the AC input power is disconnected.

**CAUTION!** To prevent the risk of fire or electric shock, install in a temperature and humidity controlled indoor area, free of conductive contaminants. (Please see specifications for acceptable temperature and humidity range).

**CAUTION!** To reduce the risk of electric shock, do not remove the cover, except to service the battery. No user serviceable parts inside, except for the battery.

**CAUTION!** To avoid electrical shock, turn off the unit and unplug it from the AC power source before servicing the battery or installing a computer component.

**CAUTION!** DO NOT USE WITH OR NEAR AQUARIUMS! To reduce the risk of fire, do not use with or near aquariums. Condensation from the aquarium can come in contact with metal current contacts and cause the machine to short out.

**CAUTION!** DO NOT USE WITH LASER PRINTERS! The power demands of laser printers are too large for a UPS.

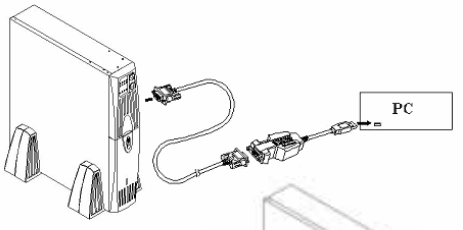
# INSTALLING YOUR UPS SYSTEM

## *UNPACKING*

Inspect the UPS upon receipt. The box should contain the following:
(1) UPS Unit; (1) User's Manual for UPS; (2) Rack mount Brackets; (2) Stands; (1) Telephone Cable
(1) PowerPanel Plus™ Software Disk; (1) User's Manual for PowerPanel Plus™;
(1) PowerPanel™ Software Disk; (1) User's Manual for PowerPanel™;
(2) Serial Interface Cable (DB-9); (1) Serial-to-USB cable; (1) Warranty Registration Card.

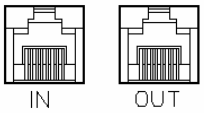
## *HARDWARE INSTALLATION GUIDE*

1. Your new UPS may be used immediately upon receipt. However, **recharging the battery for at least four hours** is recommended to insure that the battery's maximum charge capacity is achieved. Charge loss may occur during shipping and storage. To recharge the battery, simply leave the unit plugged into an AC outlet. The unit will charge in both the on as well as the off position.




2. If you wish to use the software, connect the enclosed serial interface cable to the serial port on the UPS and an open serial port on the computer. If you would like to use USB interface, please connect the USB adapter with the Serial Cable then connect the USB to your computer.

3. With the UPS unit off and unplugged, connect your computer, monitor, and any externally powered data storage device (Zip drive, Jazz drive, Tape drive, etc…) into the battery power supplied outlets. DO NOT plug a laser printer, copier, space heater, vacuum, paper shredder or other large electrical device into the UPS. The power demands of these devices will overload and possibly damage the unit.



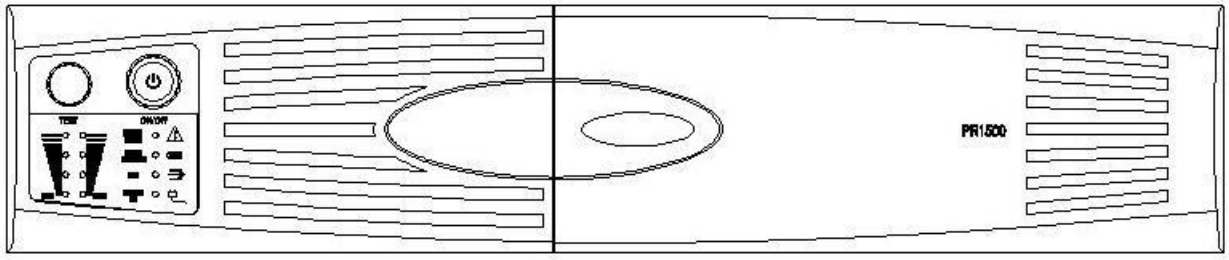

4. To protect a fax, telephone, modem line or network cable, connect a telephone cable or network cable from the wall jack outlet to the IN jack of the UPS. Then connect a telephone cable or network cable from the OUT jack on the UPS to the modem, computer, telephone, fax machine, or network device.

5. Plug the UPS into a 2 pole, 3 wire grounding receptacle (wall outlet). Make sure the wall branch outlet is protected by a fuse or circuit breaker and does not service equipment with large electrical demands (e.g. refrigerator, copier, etc…). Avoid using extension cords. If used, the extension cord must be rated for 15 Amps.
6. Depress the power switch to turn the unit on. The power on indicator light will illuminate. If an overload is detected, an audible alarm will sound and the unit will emit one long beep. To correct this, turn the UPS off and unplug at least one piece of equipment from the battery power supplied outlets. Wait 10 seconds. Make sure the circuit breaker is depressed and then turn the UPS on.
7. If an overload is detected, an audible alarm will sound and the unit will emit one long beep. To correct this, turn the UPS off, unplug at least one piece of equipment, wait 10 seconds, check to make sure that the circuit breakers are depressed, and turn the unit on.
8. Your UPS is equipped with an auto-charge feature. When the UPS is plugged into an AC outlet, the battery will automatically recharge.

9. To maintain optimal battery charge, leave the UPS plugged into an AC outlet at all times.
10. To store your UPS for an extended period, cover it and store with the battery fully charged. Recharge the battery every three months to insure battery life.

# BASIC OPERATION

## *FRONT PANEL DESCRIPTION*




### Power Switch

Press the power button to turn the UPS ON or OFF

### Test Switch

Professional Rack Mount UPS performs a self-test automatically. When powered on. When the UPS passes the test, it returns to on-line operation. If the UPS fails the self-test, please recharge the battery for hours and perform another self-test. If it fails after recharging the battery, please replace the battery.

### Wiring Fault Indicator

This LED will illuminate to warn the user that a wiring problem exists within the AC receptacle, such as a bad ground, miss ground or reversed wiring. If illuminated, disconnect all equipment and contact an electrician to insure outlet is properly wired.

### Battery Indicator

This illuminates during utility failure, indicating that the battery is supplying power to the battery-power supplied outlets.

### AVR Indicator

This LED indicates that the UPS is operating in automatic voltage regulation mode. When the led is illuminated continuously, it indicates input over-voltage and the UPS unit bucks the voltage. When the led is flashed in rotation, it indicates that the UPS unit boosts input voltage.

### Power On Indicator

This LED is illuminated when the utility condition is normal and the UPS outlets are providing “clean power”, free of surges and spikes.

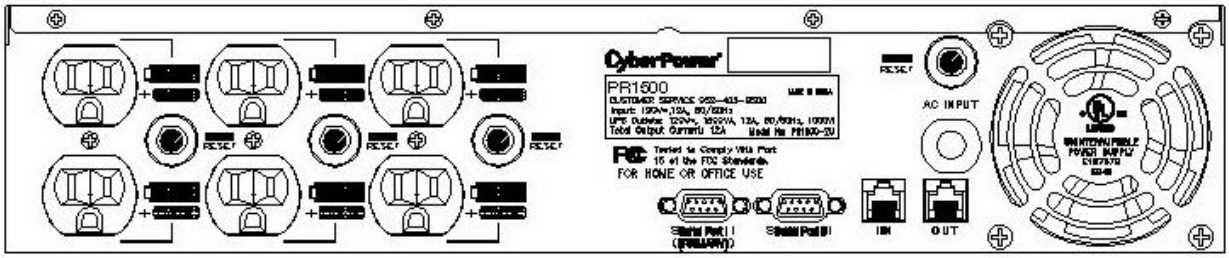
## Battery Indicators

This indicator shows a visual indication of the battery charge. If battery capacity is under 20%, no indicator LED will illuminate and UPS starts beeping.

## Load Level Indicators

This indicator shows a visual induction of the UPS load. The load indicator LED will turn orange if the load is between 80 and 100%. If the load is under 20%, no indicator LED will illuminate.

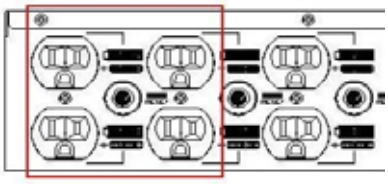
# ***REAR PANEL DESCRIPTION***




## Circuit Breaker Reset for Overload Protection

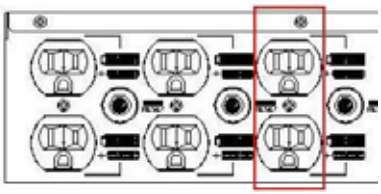
Resettable circuit breakers provide optimal overload protection.

## Battery Backup and surge Protection Outlets



The UPS provides four battery powered, surge protected and AVR outlets for connected equipment and insures temporary uninterrupted operation of connected equipment during a power failure

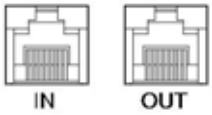
## Individual Backup Power for Critical Load



The UPS provides two battery powered, surge protected and AVR outlets for the most critical connected equipment and insures temporary uninterrupted operation of connected equipment during a power failure

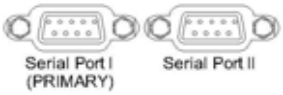
**NOTE: When the the UPS is overloaded, two circuit breakers will be tripped to interrupt power supply to the four battery outlets and leaves the two outlets for critical loads uninterrupted.**

## Communication Protection Ports (RJ11/RJ45)




Ports protect standard modem, fax, telephone line or network cable.

## Dual Serial Ports

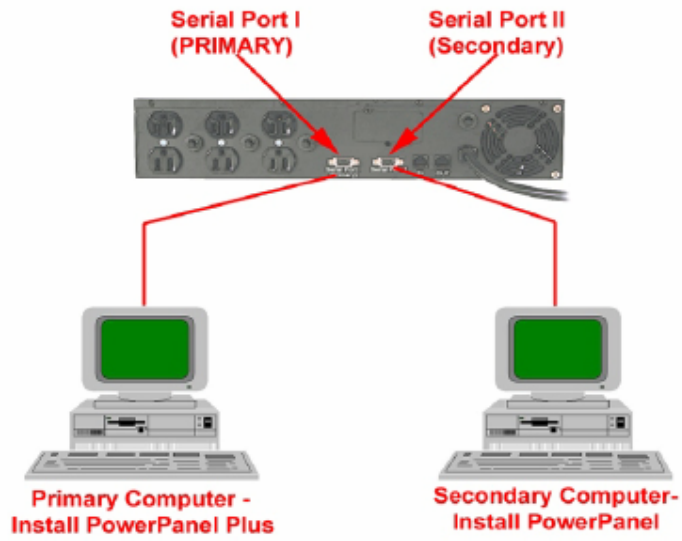



Professional Rack Mount UPS provides two serial ports to allow connection and communication between the UPS and two computers. This allows the simultaneous shutdown of two computer systems.

The Primary computer (with PowerPanel Plus™ installed) is the computer that you will use to control the UPS and make any changes to the operation of the UPS. The Secondary computer (with PowerPanel™ installed) is unable to exhibit any control over the UPS.

When there is a power failure, the Primary computer will start to shutdown after a user controlled delay. Once the Primary computer is shutdown, the UPS will signal the secondary computer and initiate a shutdown. The secondary computer will then shutdown. Once the secondary computer has completed its shutdown, the UPS will power off..

Both PowerPanel Plus™ and PowerPanel™ will save and close any open files prior to shutting the system down.



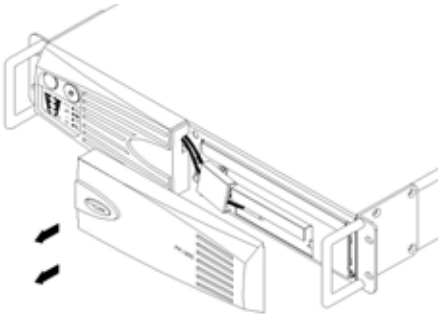
# BATTERY REPLACEMENT

Contact your dealer or call the number in this manual for information on battery replacement. The order numbers for the battery are **BA-PR1500** for PR1500; **BA-PR2200** for PR2200

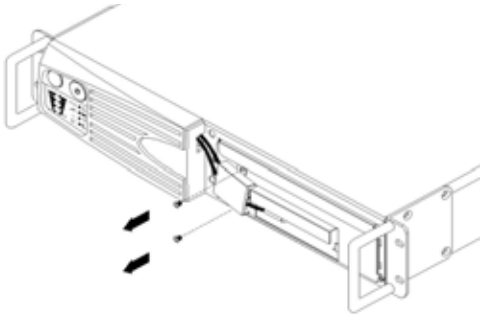
Read and follow the IMPORTANT SAFETY INSTRUCTIONS before servicing the battery. Service the battery under the supervision of personnel knowledgeable of batteries and their precautions. **Servicing the battery can only be performed by trained personnel.**
**CAUTION!** Use only the specified type of battery. See your dealer for replacement batteries.
**CAUTION!** The battery may present the risk of electrical shock. Do not dispose of batteries in a fire, as they may explode. Follow all local ordinances regarding proper disposal of batteries.
**CAUTION!** Do not open or mutilate the batteries. Release electrolyte is harmful to the skin and eyes and may be toxic.
**CAUTION!** A battery can present a high risk of short circuit current and electrical shock. Take the following precautions before replacing the battery:

1. Remove all watches, rings or other metal objects.
2. Only use tools with insulated handles.
3. Do not lay tools or metal parts on top of battery or any terminals.
4. Wear rubber gloves and boots.
5. Determine if the battery is inadvertently grounded. If inadvertently grounded, remove source of ground. **CONTACT WITH GROUNDED BATTERY CAN RESULT IN ELECTRICAL SHOCK!** The likelihood of such shock will be reduced if such grounds are removed during installation and maintenance (applicable to a UPS and a remote battery supply not having a grounded circuit).

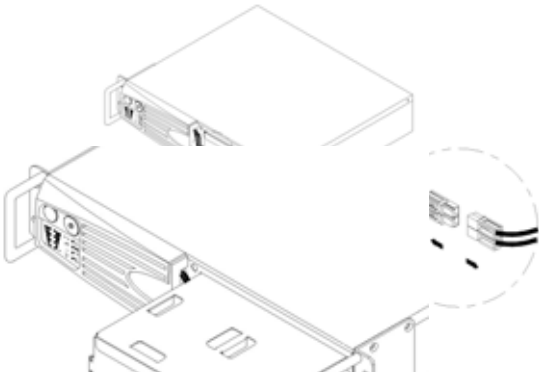
## ***BATTERY REPLACEMENT PROCEDURE:***



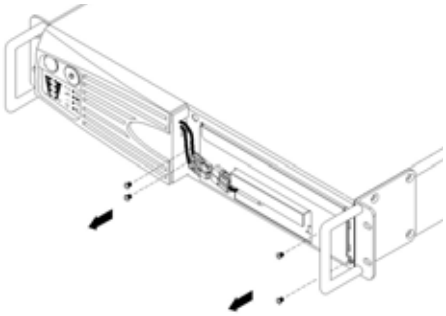
1. Remove the right side front panel.



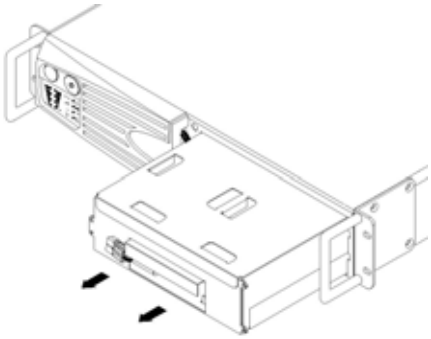
2. Remove the two retaining screws of the cable protection cover then remove the cover.



3. Disconnect the black and red cable.



4. Remove the four retaining screws.



5. Pull the battery pack out from the unit.

6. Slide a new battery pack into the unit. Assemble the screws, cover, cable and front panel in the reverse sequence of above steps.

7. Recharge the unit for 4-8 hours to ensure the UPS performs expected runtime

# DEFINITIONS FOR LED INDICATORS

| Power On | Wiring Fault | AVR | Using Battery | Circuit Breaker | Alarm | Condition |
|---|---|---|---|---|---|---|
| On | Off | Off | Off | Set | Off | Normal |
| On | Off | Flash | Off | Set | Off | **AVR-** Max. boost 15% of input voltage for output regulation while input voltage is from 8% to 30% under nominal. |
| ON | Off | On | Off | Set | Off | **AVR-** Max. buck 15% of input voltage for output regulation while input voltage is from 8% to 26% over nominal. |
| Off | On/Off | Off | On | Set | Two Beeps | **Utility Failure-** The UPS is providing battery power to the Battery-Power Supplied outlets. |
| Off | On/Off | Off | On | Set | Rapid Beeps | **Utility Failure-** The UPS is providing battery power. Rapid beeps indicate the battery will run out of charge within a few minutes. |
| On/Off | On/Off | On/ Off /Flash | On/Off | Set | Long Beep | **Overload-** Turn the UPS off and unplug at least one piece of equipment from the UPS. Wait 5 seconds, reset the circuit breaker and restart the UPS. |
| Off | Off | Off | On | Up | Long Beep | **Overload-** Turn the UPS off and unplug at least one piece of equipment from the UPS. Wait 5 seconds, reset the circuit breaker and restart the UPS. |
| On | On/Off | On/ Off /Flash | Off | Set | None | **Weak Battery-** Recharge the battery for at least 8 hours. If **Check Battery** is illuminated, contact CyberPower Systems for battery replacement information. |
| Off | Off | Off | Off | Set | Off | **Surge Protection Malfunction-** Power surge has damaged the unit. Please contact CyberPower Systems |
| On/Off | On | On/ Off /Flash | On/Off | Set/Up | None | **Electrical Wiring Fault-** Indicates wiring problems such as a bad ground, missed ground or reversed wiring **within the AC outlet**. User is advised to disconnect all electrical equipment from the outlet and have the outlet checked by an electrician. |

# TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---|---|---|
| Outlets do not provide power to equipment | Circuit breaker is tripped due to overload. | Turn the UPS off and unplug at least one piece of equipment. Wait 10 seconds, reset the circuit breaker and then turn the UPS on. |
| | Batteries are discharged. | Recharge the unit for at least 4 hours |
| | Unit has been damaged by a surge or spike. | Recharge the battery by leaving the UPS plugged in. |
| The UPS does not perform expected runtime. | Battery is not fully charged. | Recharge the battery by leaving the UPS lugged in. |
| | Battery is slightly worn out. | Contact CyberPower Systems about replacement batteries at tech@cyberpowersystems.com |
| The UPS will not turn on. | The on/off switch is designed to prevent damage by rapidly turning it off and on. | Turn the UPS off. Wait 10 seconds and then turn the UPS on. |
| | The unit is not connected to an AC outlet. | The unit must be connected to a 110/120v 60Hz outlet. |
| | The battery is worn out. | Contact CyberPower Systems about replacement batteries at tech@cyberpowersystems.com |
| | Mechanical problem. | Contact CyberPower Systems at tech@cyberpowersystems.com |
| PowerPanel Plus™ is inactive (all icons are gray). | The serial cable is not connected. | Connect the serial cable to the UPS unit and an open serial port of your computer. You must use the cable that came with the unit. |
| | The serial cable is connected to the wrong port. | Try another serial port of your computer |
| | The unit is not providing battery power. | Shutdown your computer and turn the UPS off. Wait 10 seconds and turn the UPS on. This should reset the unit. |
| | The serial cable is not the cable that was provided with the unit. | You must use the cable included with the unit for the software. |

# TECHNICAL SPECIFICATIONS

| Model | PR1500 | PR2200 |
|---|---|---|
| Capacity (VA) | 1500VA | 2200VA |
| Capacity (Watts) | 1000W | 1500W |
| Input | | |
| Voltage Range | 85 -150Vac | |
| Frequency Range | 47 - 63Hz | |
| Output | | |
| On Battery Output Voltage | Pure Sine Wave at 120Vac +/- 5% | |
| On Battery Output Frequency | 60Hz +/- 1% | |
| Transfer Time (Typical) | 4ms | |
| Overload Protection | On Utility: Circuit Breaker,<br>On Battery: Internal Current Limiting | |
| Surge Protection and Filtering | | |
| Lightning / Surge Protection | Yes | |
| Internet Ready (DSL / Phone / FAX / Modem Protection) | RJ11/RJ45(One In/One Out) | |
| Physical | | |
| Total # of UPS Receptacles | 6 | |
| Maximum Dimensions(cm) | 2U Rack, 43.3x8.8x38.8 | |
| Weight (Kg) | 26.4 | 32.1 |
| Battery | | |
| Sealed Maintenance Free Lead Acid Battery | 12Vdc 7AHx4 | 12Vdc 9AHx4 |
| Typical Recharge Time | 8 Hours | |
| Warning Diagnostics | | |
| Indicators | Power On, Using Battery, AVR, Wiring Fault,<br>Load Level, Battery Level | |
| Audible Alarms | On Battery, Low Battery, Overload | |
| Environmental | | |
| Operating Temperature | + 32°F to 95°F (0°C to 35°C) | |
| Operating Relative Humidity | 0 to 95% NON-CONDENSING | |
| Communication | | |
| PowerPanel Software | Windows 95/98/ME/NT/2000/XP compatible | |
| Power Panel Plus Software | Windows 95/98/ME/NT/2000/XP compatible | |
| Management | | |
| Self-Test | Manual Self-Test | |
| Auto-Charger | Yes | |
| Auto-Restart | Yes | |
| USB | Yes | |

# LIMITED WARRANTY AND POWER CONTROL GUARANTEE

In purchasing a PR1500 / PR2200 in the United States or Canada, the original end user receives a Limited Warranty and CyberPower's Power Control Guarantee from Cyber Power Systems (USA), Inc. (for ease of reading, referred to as "CyberPower"). The Limited Warranty and the Power Control Guarantee are intended to be the original end-user's exclusive rights and remedies. The Limited Warranty and the Power Control Guarantee are separate, all though they are related. The Limited Warranty is for the Product itself. The Power Control Guaranty is CyberPower's connected equipment guaranty.

**Limited Warranty**. The original end user (referred to as the "Initial Customer") receives an express limited warranty (referred to as the "Limited Warranty") for the PR1500 / PR2200 purchased from CyberPower (referred to as the "Product"). The terms of the Limited Warranty are explained below.
I
**Power Control Guarantee**. CyberPower provides the Initial Customer with protection in the event that the Product is not free from defects in materials and workmanship, and certain equipment connected to the Product is damaged (the "Power Control Guarantee"). The Power Control Guarantee protects the Initial Customer for damage to equipment plugged into the Product. The terms of the Power Control Guarantee are explained below.

The Limited Warranty and the Power Control Guarantee are subject to the terms set forth below. Additionally, State or Provincial law may adjust the terms of the Limited Warranty or the Power Control Guarantee or the State or Province may impose additional obligations, or additional "implied warranties." To the extent necessary to comply with those laws, the terms of the Limited Warranty and the Power Control Guarantee should be read to adjust to those requirements only to the extent necessary to comply with such local law.

If you are an Initial Customer, you are asked to read the following terms and conditions carefully before using the Product. By using the Product you consent to be bound by and become a party to the Limited Warranty and Power Control Guarantee. If you do not agree to the terms and conditions of the Limited Warranty and Power Control Guarantee, you should return the Product for a full refund prior to using it.

## REGISTRATION

CyberPower requests that you complete and return the Warranty Registration Card enclosed with the Product or register the Product at its website(www.cyberpowersystems.com) to establish that you are the Initial Customer of the Product, and therefore entitled coverage under the Limited Warranty and the Power Control Guarantee. (Registration is not required for Limited Warranty coverage, but note if you do not complete a registration card you will be required to provide proof of purchase, as described below, to have the benefits of this Limited Warranty.)

## LIMITED WARRANTY

CyberPower warrants to you, the Initial Purchaser, that the Product will be free from defects in material and workmanship for three years from the date of original purchase, subject to the terms of this Limited Warranty. This Limited Warranty gives you specific rights, and you may have other rights, which vary from State to State or Province to Province.
Any Implied Warranty of Merchantability or for Fitness for a Particular Purpose, if applicable to the Product, is limited in duration to the period of ownership by the Initial Customer. This provision shall NOT create any Implied Warranty or Merchantability or of Fitness for a Particular Purpose that would not otherwise apply to the Product. NOTE: **Some States and some Provinces do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you**.

To be covered you must still be the owner of the Product at the time of the failure that results in the claim made under this Limited Warranty.

**Exclusive Remedies Under Limited Warranty.**

Your exclusive remedy and CyberPower's' sole obligations are as follows for the Product:

If (a) the CyberPower Product you purchased and still own is defective in material or workmanship under this Limited Warranty or any applicable warranty imposed by law, and (b) all Limited Warranty requirements have been met, CyberPower will repair or replace the Product if it proves to be defective in material or workmanship during the Warranty Period.

**Making a Limited Warranty Claim.**

To make a Limited Warranty claim on a Product, you must do the following:

1. Complete and return the CyberPower Warranty Registration Card, or provide reasonable proof of purchase (for example, a sales receipt) that establishes you as the Initial Customer (the original end-user consumer purchaser) of the Product and prove that the Product was purchased within three (3) years of the event for which you want to make a claim for warranty service.
2. Call CyberPower at (952) 403-9500 or (877) 297-6937 (toll free), write to CyberPower at 5555 12th Ave. East, Suite 110, Shakopee, MN 55379, or e-mail CyberPower at claims@cyberpowersystems.com, within ten (10) days of the event for which you want to make a claim.
3. When you contact CyberPower, identify the Product, the Purchase Date, and request Return Materials Authorization (RMA) information from CyberPower.
4. Pack and ship the Product to CyberPower as instructed in your RMA. Show the RMA code on the shipping label or include it with the Product. **You MUST prepay all shipping costs and you are responsible for packaging and shipment.**

CyberPower will inspect and examine the Product within ten (10) days of receipt. If the Product is not as warranted, CyberPower will repair or replace the Product and return it to you at CyberPower's expense, or, if CyberPower is unable to or decides not to repair or replace the Product (if defective) within a reasonable time, CyberPower will refund to you the full purchase price you paid for the Product (purchase receipt showing price paid is required).

## POWER CONTROL GUARANTEE

If you are the Initial Purchaser, the Power Control Guarantee provides protection for damage to equipment connected to the Product ("Connected Equipment"), subject to certain terms and limitations.

The Power Control Guarantee is not "first dollar" coverage. CyberPower's obligation is reduced by any amounts that Initial Customer is entitled to recover from other sources regarding the Connected Equipment, including insurance, other warranty, or extended warranty coverage, whether or not the Initial Customer makes a claim for recovery, including but not limited to a claim under any applicable insurance, other warranty, or extended warranty.

The Limited Warranty does not cover Connected Equipment, but as is explained below, to be covered under the Power Control Guarantee, the Connected Equipment must have been damaged due to a failure of the Product. The Connected Equipment must have been damaged due to a defect in materials or workmanship of the Product.

In the event of damage to the Connected Equipment, your exclusive remedy, and CyberPower's sole obligations are as follows for Connected Equipment. If (a) the Product purchased and owned by you is defective in material or workmanship; (b) the Limited Warranty requirements have been met (except that the three year limitation of the Limited Warranty does not limit the Power Control Guarantee, which is for the lifetime of the Product), and; (c) none of the limitations or exclusions on warranty coverage apply (or than the three year limit), CyberPower will (as CyberPower elects, as permitted by law), repair, replace, or pay the Agreed Damage Amount (defined below) for, the item(s) of your electronic equipment directly and properly connected to the product (the "Connected Equipment") if that Connected Equipment is (x) damaged by AC power line transients, spikes, or surges on properly installed, grounded, and code-compliant 120 volt power lines in the United States and Canada, or by transients, surges or spikes on standard telephone equipment lines, or Base 10/100T Ethernet lines that are properly installed and connected (a "Power Disturbance") and (y) is directly plugged into and properly connected to a CyberPower Product in its original condition which is properly operated when a Power Disturbance passes through the CyberPower Product and (y.1) exhausts the protection capacity of the CyberPower Product or (y.2) damages the CyberPower Product. This provision sets out the only liability of any character of CyberPower for direct, indirect, special, consequential, and/or incidental damages under our Limited Warranty, applies only to Connected Equipment, and all such Liability is limited to the Agreed Damage Amount.

**Making a Power Control Guarantee Claim.**

To make a Warranty claim for damage to Connected Equipment under the Power Control Guarantee, you must do the following:

1. Complete and return the CyberPower Warranty card or provide reasonable proof of purchase, for example, a sales receipt that establishes you as the original end-user consumer purchaser of the Product.
2. Call CyberPower at (952) 403-9500 or (877) 297-6937 (toll free), write to CyberPower at 5555 12th Ave East, Suite 110, Shakopee, MN 55379, or e-mail CyberPower at claims@cyberpowersystems.com within ten (10) days of the date of the event for which you wish to make a claim for warranty service.
3. When you contact CyberPower, identify the Product, the Purchase Date, and the item(s) of Connected Equipment. Have information on all applicable insurance or other resources of recovery/payment that are available to the Initial Customer and the name of the power utility supplier for the location of the Connected Equipment and Request a Return Materials Authorization (RMA).
4. Pack and ship the product to CyberPower and, if requested, the item(s) of Connected Equipment, a repair cost estimate for the damage to the Connected Equipment, and all claim forms that CyberPower provides to you. Show the RMA number on the shipping label or include it with the product. You must **prepay all shipping costs, must pay the cost of the repair estimate and is responsible for packaging and shipment.**

**CyberPower’s Duties.**

CyberPower will inspect and examine the Product and the item(s) of Connected Equipment (or at CyberPower's election, your written statement and repair cost estimate for those item(s)). You must return the product for inspection.

If the damage to Connected Equipment is covered by the Power Control Guarantee, CyberPower will (in addition to Limited Warranty remedies for the CyberPower Product itself) repair (or pay the costs of repair) or replace the Connected Equipment or, at the option of CyberPower, as permitted by law, pay to the Initial Customer the "Agreed Damage Amount" (up to the aggregate limits stated below) for all item(s) of Initial Customer's Connected Equipment. The "Agreed Damage Amount" for all items of Initial Customer's Connected Equipment shall be the lesser of the amount determined under Clause (1) or (2) below, reduced by any amounts described in Clause (3) below:

1. The fair market value of the Connected Equipment as established by the lower of (a) the average price the same or similar items are being sold for on E-bay, (b) the price list of Orion Blue Book on the date of occurrence (or if such price list is no longer published, a published or announced price list reasonably selected by CyberPower), or (c) the lowest price the same or similar items can be purchased for in the United States.
**2. The aggregate ceiling amount for all Connected Equipment: CyberPower PR1500 --$250,000; PR2200--$300,000**
3. The amount(s) of all payment you have or are entitled to receive from insurance, other warranties, extended warranties, or from other sources or persons for the Connected Equipment or damage to such equipment so that CyberPower's maximum liability shall be reduced to reflect all such other payments or sources of recovery

If CyberPower replaces the connected equipment or pays to the Initial Customer the Agreed Damage Amount, the Initial Customer shall transfer all item(s) to CyberPower without warranty by the Initial Customer, but free of lien or other interest.

**CONDITIONS COMMON TO THE LIMITED WARRANTY AND THE POWER CONTROL GUARANTEE**

The Limited Warranty and the Power Control Guarantee are the only and the exclusive express warranty of CyberPower with respect to the Product. This exclusion of other express warranties applies to written and oral express warranties.

**LIMITATION: THE LIMITED WARRANTY AND THE POWER CONTROL GUARANTEE DO NOT COVER**

The Limited Warranty and the Power Control Guarantee are intended to exclusive rights and remedies and replace any other rights, to the extent allowed by law.

1. As to the CyberPower Product, the limited warranty **does not** cover or apply to: misuse, modification, operation or storage outside environmental limits for the Products, in transit, in shipment, or in storage, damage or deterioration, improper operation or maintenance, or use with items or equipment not designed or intended for use with the product.
2. As to Connected Equipment, the Power Control Guarantee covers only damage within the specific terms of the Power Control Guarantee to Connected Equipment (and only up to the applicable aggregate ceiling amount).
3. The Power Control Guarantee does not cover damage to Connected Equipment or apply if the Product has been operated in a failure mode or not in compliance with CyberPower operating instructions and manuals, or if the Connected Equipment has been operated in a failure mode or not in compliance with the instructions and manuals of its manufacturer/vendor.

**The Limited Warranty and the Power Control Guarantee Do Not Apply Unless The Initial Customer:**

1. Has properly connected the Product and the Connected Equipment to properly wired and grounded outlets (including compliance with electrical and safety codes of the most current electrical code (ANS/NFPA 70), without the use of any adapters, extension cords of other connectors.
2. Has provided a suitable and proper environment for use and installation of the Product and Connected Equipment.
3. Has properly installed and operated the CyberPower Product and Connected equipment.
4. Has operated the Product at all times within the limitations on the Product's VA capacity as stated in this User Manual.

**CyberPower Does Not Cover or Undertake Any Liability in Any Event for Any of the Following:**

1. Loss of or damage to data, records, or software or the restoration of data or records, or the reinstallation of software.
2. Damage from causes other than AC Power Line Transients, spikes, or surges on properly installed, grounded and code-compliant 120 volt power lines in the United States and Canada; transients, surges or spikes on standard telephone land lines, PBX telephone equipment lines or ethernet lines, when properly installed and connected.
3. Damage from any circumstance described as excluded above with respect to the product.
4. Damages from fire, flood, wind, rain, rising water, leakage or breakage of plumbing, abuse, misuse or alteration of either the product or the Connected Equipment.

**Exclusion of Consequential and Other Damages.**
The sole and exclusive remedies of the Initial Customer are those provided by the Limited Warranty and Power Control Guarantee. CyberPower excludes any liability for personal injury under the Limited Warranty and Power Control Guarantee. CyberPower excludes any liability for direct, indirect, special, incidental or consequential damages, whether for damage to or loss of property [EXCEPT FOR (AND ONLY FOR) the specific limited agreement of CYBERPOWER to provide certain warranty benefits regarding "Connected Equipment" under the "CYBERPOWER Power Control Guarantee"], loss of profits, business interruption, loss of information or data. This exclusion applies even though damage or loss is caused by negligence or other fault. NOTE: Some States or Provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

**DO NOT USE FOR MEDICAL OR LIFE SUPPORT EQUIPMENT OR OTHER HIGH RISK ACTIVITIES.**
CyberPower does not sell the Products for use in high-risk activities. The Product is not designed or intended for use in hazardous environments requiring fail-safe performance, including the operation of nuclear facilities, aircraft navigation or communication systems, air traffic control, weapons systems, life support or medical applications or for use in any circumstance in which the failure of the Product could lead directly to death, personal injury, or severe physical or property damage, or that would affect operation or safety of any medical or life support device (collectively, "High Risk Activities"). CyberPower expressly disclaims any express or implied warranty of fitness for purpose for High Risk Activities.
CyberPower does not authorize use of any of its products in any High Risk Activity. **ANY SUCH USE IS IMPROPER AND IS A MISUSE OF A CYBERPOWER PRODUCT**.

The Limited Warranty and the Power Control Guarantee are governed by the laws of the United States and the State of Minnesota, without reference to conflict of law principles. The application of the United Nations Convention of Contracts for the International Sale of Goods is expressly excluded.

Contact Information: CyberPower's address is 5555 12th Ave East, Suite 110, Shakopee, MN 55379 and its phone number is (952) 403-9500 or (877) 297-6937 (toll free). CyberPower is the warrantor under this Limited Warranty. You may also contact CyberPower on the Internet at www.cyberpowersystems.com.

## FCC Notice

This equipment has been tested and found to comply with the limits for a Class B Digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: (1) Reorient or relocate the receiving antenna. (2) Increase the separation between the equipment and receiver. (3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. (4) Consult the dealer or an experienced radio/TV technician for help. Any special accessories needed for compliance must be specified in the instruction.

**CAUTION:** A shielded-type power cord is required in order to meet FCC emission limits and also to prevent interference to the nearby radio and television reception. It is essential that only the supplied power cord be used. Use only shielded cables to connect I/O devices to this equipment.

**CAUTION:** Any changes or modifications not expressly approved by the guarantee of this device could void the user's authority to operate the equipment.

CyberPower™
The Power To Control the Power®

For more information, contact us at:

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